aiwa

COMPACT disc DIGITAL AUDIO

OPERATING INSTRUCTIONS
MANUAL DE INSTRUCCIONES
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
ISTRUZIONI PER L'USO
GEBRUIKSAANWIJZING
INSTRUKCJA OBSŁUGI
KEZELÉSI ÚTMUTATÓ
NÁVOD K OBSLUZE

CDC-R307 YZ
CDC-RV407 YZ

STEREO CAR CD RECEIVER
RADIO-TOCADISCOS DE CD ESTEREOFONICO PARA AUTOMOVIL

ENGLISH

Welcome

Thank you for your purchasing this AIWA product. To optimize the performance of this unit, please read through this manual carefully.

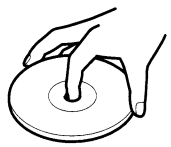
In addition to this operating instructions manual, be sure to refer to the separate installation and connections manuals as well.

PRECAUTIONS

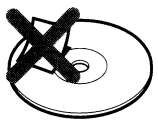
- This unit is designed to be operated on a 12-volt DC negative-ground electrical system only.
- To prevent short-circuiting, disconnect the negative car battery terminal until the unit has been mounted and connected completely.
- When replacing the fuse, be sure to use one whose amperage rating is identical. Use of a fuse of higher amperage may cause serious damage to the unit.
- Do NOT attempt to disassemble this unit. Laser rays from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctioning, or a safety hazard such as electrical shock or exposure of laser rays.
- When your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- Keep the volume at such a level that you can hear outside warning sounds (horns, sirens, etc.).

Notes on CDs

- A defective or soiled CD inserted in the unit can cause sound to drop out during playback.
- Handle a CD by holding its inner and outer edges.



- Do NOT touch the surface of the unlabeled side of a CD.
- Do NOT stick paper or tape etc. onto the surface.



- Do NOT expose the CD to direct sunlight or excessive heat.

- Clean the CD before playback. Wipe the CD from the center outward with a cleaning cloth.

- NEVER use solvents such as benzine or alcohol to clean a CD.
- Smaller 3-inch (8-cm) CDs cannot be played on this unit. And do not use an adaptor as it may cause a malfunction. NEVER insert a 3-inch (8-cm) CD or its adaptor. If inserted, it may not eject.
- Do NOT use irregularly shaped CDs (example: heart-shaped, octagonal ones). Doing so may result in a malfunction. NEVER insert an irregularly shaped CD. If inserted, it may not eject.

CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

NOTE

AIWA CO. LTD. - JAPAN - DECLARES UNDER ITS OWN RESPONSIBILITY THAT THE PRODUCT DESCRIBED IN THIS MANUAL IS IN COMPLIANCE WITH THE DIRECTIVES OF D.M. 28.8.95 No. 548, ACCORDING TO THE STIPULATIONS OF PARAGRAPH 3 OF ATTACHMENT A OF D.M. 25.6.85 AND PARAGRAPH 3 OF ATTACHMENT 1 OF D.M. 27.8.87 (REGULATIONS REGARDING FREQUENCIES).

The above information is only for Italy.

TABLE OF CONTENTS

PARTS AND CONTROLS 3
DETACHING AND ATTACHING THE FRONT PANEL 4
SETTING THE CLOCK 5
RADIO OPERATION 5
PRESETTING STATIONS 6
USING RDS FEATURES 8
CD PLAY 11
SOUND ADJUSTMENTS 12
CONNECTING A PORTABLE CASSETTE/MD/MP3 PLAYER OR OTHER EQUIPMENT 14
SETTING THE BEEP TONE 15
SETTING THE CONTRAST CONTROL 15
STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT 16
TROUBLESHOOTING 19
MAINTENANCE 20
SPECIFICATIONS 20

In addition to ordinary CDs, CD-Rs or CD-RWs can be read by this unit. However, NEVER use a CD-R or CD-RW that contains no data or data in the wrong format, such as MP3 or other computer files.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the exterior.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT

CAUTION!

Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteiylle.

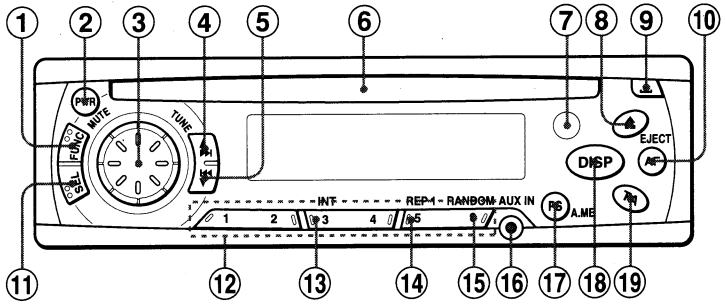
VARNING!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsätta för osynlig laser-strålning, som överskrider gränsen för laserklass 1.

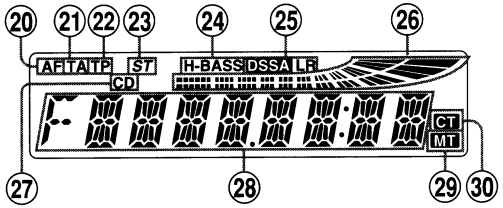
ENGLISH

PARTS AND CONTROLS

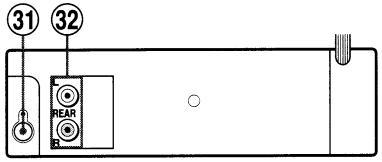
Front panel



Display window



Rear panel



Front panel

① FUNC (function) button
② PWR (power on/off)/MUTE button
③ Jog Dial
④ TUNE ▲/▶▶I (forward skip) button
⑤ TUNE ▼/I◀◀ (back skip) button
⑥ Disc compartment
⑦ Sensor for the remote control
⑧ ⏏ (eject) button
⑨ ⇩ (release) button
⑩ AF (Alternative Frequency) button
⑪ SEL (select) button
⑫ Preset station buttons (1 – 6)
⑬ INT (intro) button
⑭ REP1 (repeat 1) button
⑮ RANDOM button
⑯ AUX IN jack (3.5-mm dia.)
⑰ A.ME (Auto Memory)/PS (Preset Scan) button
⑱ DISP (display) button
⑲ TA (Traffic Announcement) button

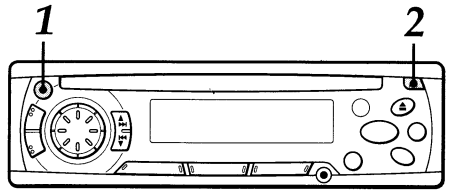
Display window

⑳ AF (Alternative Frequency) indicator
㉑ TA (Traffic Announcement) indicator
㉒ TP (Traffic Program) indicator
㉓ ST (stereo) indicator
㉔ H-BASS (High BASS) indicator
㉕ DSSA (Drivers Sound Stage Adjustment) indicator
㉖ Level indicator
㉗ CD indicator
㉘ Main display section
㉙ MT (mute) indicator
㉚ CT (Clock Time) indicator

Rear panel

㉛ Antenna jack
㉜ REAR preout jacks

DETACHING AND ATTACHING THE FRONT PANEL

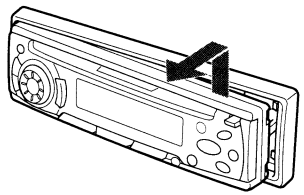


You can detach the front panel from the unit and carry it with you when you leave your car unattended.
When you carry the front panel out of your car, use the supplied carrying case.
Before detaching the front panel, remove the CD to prevent possible damage to the unit.

1 **Press and hold PWR for more than 2 seconds to turn the unit off.**

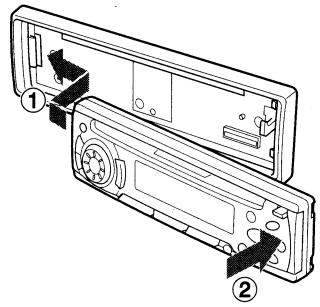
2 **While supporting the front panel with one hand, press ⇩ to release one side of the panel. Care must be taken not to drop the panel. It may suddenly become detached at this point.**

3 **When the front panel is lifted from the unit, remove it by pulling it away from the unit.**



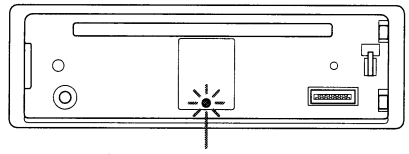
Do NOT touch the connector on the reverse side of the front panel, as doing so may contaminate the connector and cause poor connection, resulting in a malfunction.

Attaching the front panel



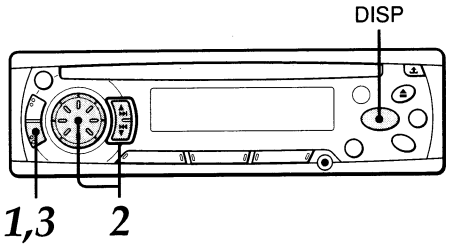
Security Lamp

When the front panel is detached, you can find an LED lamp on the front side of the unit. This lamp is designed to deter theft, and continues to flash when the front panel is detached. This unit is not equipped with any other security system, such as a security alarm, so there are limitations to its effectiveness.



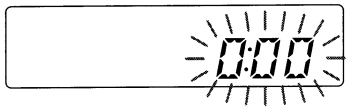
LED lamp

SETTING THE CLOCK



To turn the unit on
You can turn the unit on by pressing any button on the front panel except ⏏, ▲ and the Jog Dial.

1 **With the unit on, press and hold SEL for more than 2 seconds until the clock indication appears.**

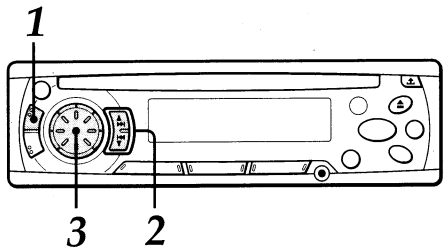


2 **Press TUNE ▲, then rotate the Jog Dial to set the hour.**
Press TUNE ▼, then rotate the Jog Dial to set the minute.
Rotate the Jog Dial clockwise to go forward.
Rotate the Jog Dial counterclockwise to go backward.

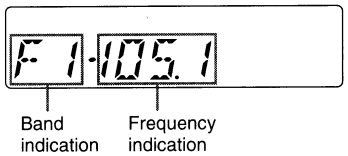
3 **Press SEL.**
The clock starts working from 0 second.

To have the clock displayed when the unit is on
Press DISP. To return the unit to its former display, press DISP again.

RADIO OPERATION



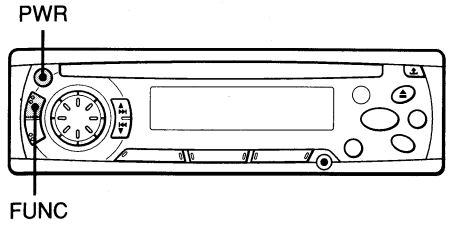
1 **Press FUNC repeatedly to select the band from among F1 (FM1), F2 (FM2), F3 (FM3), MW and LW.**
The band indications appear cyclically in order.
- F1, F2 and F3 share the same frequency range.



2 **Press (and hold for more than 2 seconds) either TUNE ▲ or TUNE ▼ to tune in the desired station.**
The unit starts scanning and tunes in a station automatically (seek tuning).
Press TUNE ▲ to increase and TUNE ▼ to decrease the frequency.
Press the button again to cancel seek tuning.
Repeat the procedure until the desired station is tuned in.

Note
If you press (for less than 0.5 second at a time) either TUNE ▲ or TUNE ▼, the frequency increases or decreases step by step.

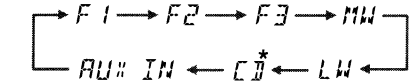
3 **Adjust the volume with the Jog Dial.**



To turn the unit off
Press and hold PWR for more than 2 seconds.
If you press this button for less than 2 seconds, it functions as MUTE.

Note
The unit turns on in the last mode selected when you turned off the unit.

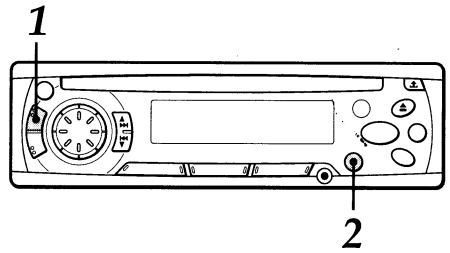
FUNC (function) button
Each time you press FUNC, the unit switches to one of the following modes, in cyclic order.



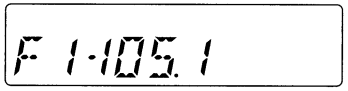
* CD Play mode (available while a CD is in the unit)

PRESETTING STATIONS

To preset stations automatically (Auto Memory)



1 **Press FUNC repeatedly to select a desired band from among F1 (FM1), F2 (FM2), F3 (FM3), MW and LW.**



2 **Press and hold A.ME/PS for more than 2 seconds to activate the automatic presetting function.**
The 6 strongest stations found will be stored in memory for preset station buttons 1 to 6 in order of their signal strength. The "A MEM" indication appears while the unit is in this mode.

Use this function to automatically preset up to 6 stations each for F1, F2, F3, MW and LW (up to a total of 30 stations).
- When the auto memory operation is completed, the preset stations are automatically tuned in for 5 seconds each in order.
- To stop the auto memory operation, press A.ME/PS again.

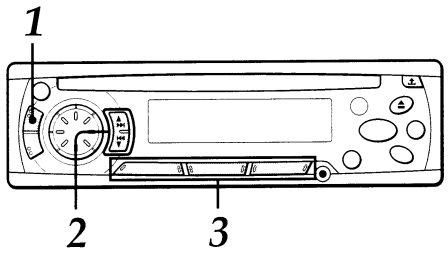
To check the preset stations (Preset Scan)
- If you wish to check the preset stations, press A.ME/PS for less than 2 seconds. The preset stations stored in memory will be tuned in for 5 seconds each in order.
- To stop this function, press A.ME/PS again or press any of the preset station buttons 1 to 6.

continued

PRESETTING STATIONS

To preset stations manually

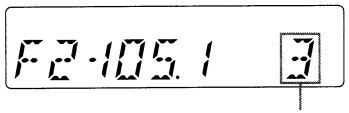
You can manually preset stations that have not been selected by an auto memory operation.



1 **Press FUNC repeatedly to select the band from among F1 (FM1), F2 (FM2), F3 (FM3), MW and LW.**

2 **Tune in the station that you wish to preset with TUNE ▲ or TUNE ▼.**

3 **Press and hold one of the preset station buttons 1 to 6 for approximately 2 seconds.**
While the station you are presetting is being registered in memory, the unit beeps.
The preset station number appears to the right of the frequency indication.

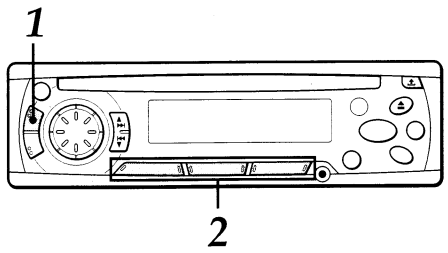


Preset station number

Repeat these procedures to preset up to 6 stations each for F1, F2, F3, MW and LW.

- If you preset a station on a preset station button on which another station of the same band has already been preset, the previously preset station will be erased.

To tune in a preset station



1 **Press FUNC repeatedly to select a desired band from among F1 (FM1), F2 (FM2), F3 (FM3), MW and LW.**

2 **Press the desired preset station button.**
The preset station number appears to the right of the frequency indication.

Active tuning reception control (ATRC)
This unit automatically suppresses FM noise caused by varying signal strength resulting from movement of the car.

- The built-in automatic blending circuit mixes the left and right channel signals according to the strength of the reception. At the same time, the high-cut circuit activates to maintain sound quality.
- If the reception becomes even weaker, the unit automatically switches to Monaural mode to reduce noise.

USING RDS FEATURES

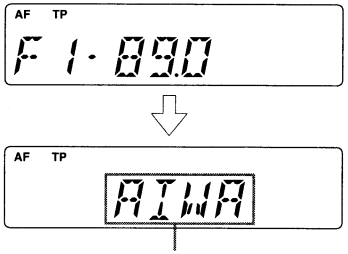
What's RDS?
Developed by the European Broadcasting Union (EBU), the Radio Data System (RDS) offers listeners various information services, such as station name display and traffic announcements through FM broadcasting.
Since the RDS signals are in digital data form, you cannot hear them. This means you can receive FM programs without being disturbed by RDS data signals.
This unit can receive the following types of RDS digital data;

- **PS (Program Service) name**
  Displays the station name during reception.
- **AF (Alternative Frequencies)**
  Automatic tuning to alternative frequencies.
- **TP (Traffic Program)**
  Automatic traffic announcement reception in a mode other than MW or LW reception mode.
- **PTY (Program Type)**
  Program selection by program type, such as news or sports, rather than by station.
- **EON (Enhanced Other Network)**
  Switches automatically when a traffic announcement begins on another network. Press AF, and the information is updated automatically.
- **CT (Clock Time)**
  Adjusts the clock time automatically.
  To use the CT service, press AF holding TA pressed. When "CT" appears on the display, rotate the Jog Dial to select "CT ON" to start the service or "CT OFF" to stop the service.
  When the unit successfully receives the service signal, the CT indicator lights, and the clock is adjusted automatically. If the unit is in Standby mode because the signal strength has fallen below a certain level or the tuned-in station does not offer the CT service, the CT indicator blinks.

Note
The clock adjustment using CT function is not always reliable in accuracy.

IMPORTANT

- These RDS functions are effective only in FM (FM1, FM2, or FM3) mode.
- The above functions may not operate correctly where RDS transmissions are in the experimental stages.

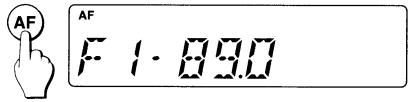


Station name

Displaying the station name
If the received station has a program service name, the station name is displayed.

- The station name may not be displayed if the signal strength is below a certain level.

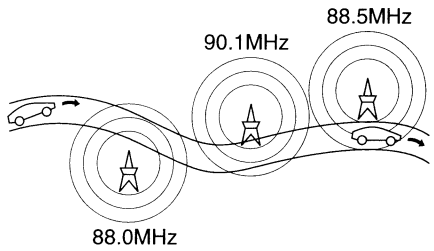
Receiving alternative frequencies
When the FM program tuned in is being broadcast on network stations, you can continue to listen to that program when driving long distances without frequent manual retuning.



During FM reception, press AF to turn on the AF indicator.

- If the station tuned in does not offer AF data, the AF indicator blinks.

The unit searches for an alternative frequency that has the stronger signal among the network stations and immediately retunes to that frequency.



For example, if the program tuned in is broadcast at 88.0 MHz, 88.5 MHz, and 90.1 MHz as shown in the illustration above, the tuned-in station frequency will change to 88.0 MHz, 90.1 MHz, and 88.5 MHz as the car moves.
If no alternative frequencies are found, press AF to leave AF mode.

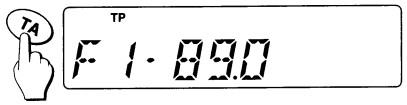
continued

USING RDS FEATURES

Receiving traffic announcements

Once the unit is set to TA (Traffic Announcement) Standby mode, you can hear traffic announcements as soon as they begin, if the unit is in a mode other than MW or LW reception mode.

1. Tune in an FM station.
2. Press TA to turn on the TP indicator and enter TA Standby mode.
   If the tuned-in station does not offer traffic announcement service, the TP indicator blinks. In this case, tune in another FM station.



3. Select a mode other than MW or LW reception mode.

When a traffic announcement starts, the unit automatically enters FM reception mode, and the TA indicator lights. The frequency indicator also displays the station name a few seconds later.
When the announcement is finished, the TA indicator goes out, and the original source will be heard.
During FM reception, press AF, then press TA to turn on the AF and TP indicators. This function is also available in CD Play mode.
If the signal strength of an alternative frequency falls below a certain level, both the AF and TP indicators blink.
This function is activated automatically when a traffic announcement has begun on another network, so you can listen to the traffic announcement.
Traffic announcements are heard at a preset level, regardless of the volume setting. This is convenient when you want to hear no other sources other than the traffic announcement.
When the listening volume is set lower than the preset level, the volume increases to the preset level.

Setting the preset level for TA mode

1. Press and hold AF for more than 2 seconds.
   "BOOST 40" is displayed.
   Adjust the volume using the Jog Dial.
   The volume changes by 5 steps each time the Jog Dial is rotated.
2. Press SEL to store the adjusted volume in memory.
   The volume will not be stored in memory if SEL is not pressed.
   - When receiving traffic announcements, you can increase the volume manually, but you cannot decrease it, even though the indicator changes.

Note

Each time you rotate the Jog Dial clockwise, the sound increases in increments of 5 (45, 50, 55, 60, 65, 70, 75, 80).
Each time you rotate the Jog Dial counterclockwise, the sound decreases in increments of 5 (35, 30, 25, 20, 15, 10, 5, 0).

Receiving traffic announcements (while in a mode other than MW or LW reception mode)

Press TA to turn on the TP indicator. The unit will search for the TP station without disturbing the current mode.
When a traffic announcement starts, the current mode pauses, and you can hear the announcement. When the announcement is over, the previous mode resumes.

About urgent broadcasts (with AF and TA button OFF)

Even when playing a CD, the unit automatically switches to Radio mode to receive urgent broadcasts.
When the urgent broadcast is completed, the unit automatically switches back to CD Play mode (i.e., to the condition it was in prior to the urgent broadcast). To cancel reception of an urgent broadcast before the broadcast is finished, you can:

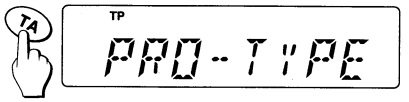
- Insert a CD, thus switching to CD Play mode (if a CD is already inserted, eject it and then reinsert it).
- Press FUNC repeatedly to select the desired play mode.

To listen to traffic announcements, press FUNC repeatedly to switch to Radio mode, then press TA.

Selecting FM by program type

This feature may not yet be available in your area.

1. During FM reception, press and hold TA for more than 2 seconds.
   The unit enters PTY mode, and "PRO--TYPE" will appear on the display for about 5 seconds.



2. While the indicator is turned on, press the appropriate preset station button.
   The table below shows the initial assignment of the preset station buttons to the program types.

Preset station button	Program type
1	NEWS
2	SPORT
3	EDUCATE
4	SCIENCE
5	ROCK M
6	CLASSICS

3. While the indicator is turned on, press and hold the appropriate preset station button for more than 0.5 seconds.
   A station of selected type is searched, and the reception starts automatically if it is found.

Using Auto Memory with RDS

In RDS mode you can access the stations you preset with the automatic presetting (Auto Memory) function (see page 6).

1. With the unit in RDS mode, press and hold A.ME/PS for more than 2 seconds. The "A MEM" indication lights.
   If two or more stations are broadcasting the same program simultaneously, and their signal strengths are about the same, only the station with the strongest signal is preset.
2. To tune in a preset FM RDS station, first confirm that the AF or TP indicator is on. Then follow the procedure for automatic presetting (Auto Memory). For details, see page 6.

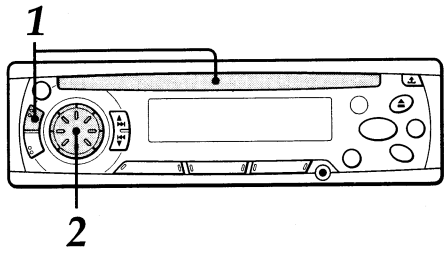
Changing the program type assignment

You can reassign a desired program type to one of the preset station buttons (1 to 6).

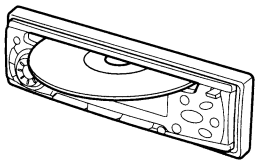
1. Press and hold PWR for more than 2 seconds to turn off the power.
2. Press and hold TA for more than 2 seconds so that the "PRO--TYPE" indication appears. "PRO--TYPE" will be displayed for about 5 seconds.
3. While the indication is turned on, rotate the Jog Dial to display the desired program type as follows.
   → ① NEWS
   ② AFFAIRS
   ③ INFO
   ④ SPORT
   ⑤ EDUCATE
   ⑥ DRAMA
   ⑦ CULTURE
   ⑧ SCIENCE
   ⑨ VARIED
   ⑩ POP M
   ⑪ ROCK M
   ⑫ EASY M
   ⑬ LIGHT M
   ⑭ CLASSICS
   → ⑮ OTHER M
4. When the desired program type is displayed, press and hold one of the preset station buttons (1 to 6) for more than 2 seconds.
   The program type is assigned to that button.

CD PLAY

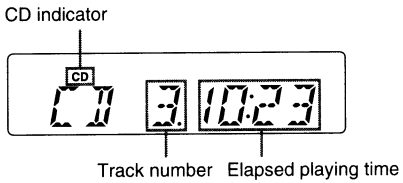
You can play a CD, CD-R, or CD-RW by following the procedure below.



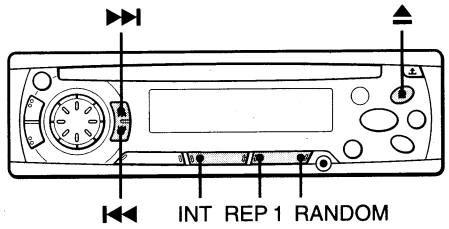
1 Insert a CD with the labeled side upward to start CD play.



If a CD is already inserted, press FUNC repeatedly to select CD Play mode to start CD play.
The track number and elapsed playing time will be displayed.



2 Adjust the volume with the Jog Dial.



Button operations in CD Play mode

Press	To
⏏	Eject a CD.
▶▶|	Skip to the next track with a short press (for less than 0.5 second). Each extra press skips forward one extra track. To search forward rapidly, press and hold ▶▶| until the desired part is played, then release it.
|◀◀	Restart the track currently in play with a short press (for less than 0.5 second). Each extra press skips backward one extra track. To search backward rapidly, press and hold |◀◀ until the desired part is played, then release it.

Switching modes

When the unit is in a mode other than CD Play mode, inserting a CD switches the unit to CD Play mode automatically.

Notes

- Smaller 3-inch (8-cm) CDs cannot be played on this unit. And do not use an adaptor, as it may cause a malfunction.
- When you insert a CD, CD play starts with the first track on the CD. In other cases (when switching from the radio operation or turning on the unit), CD play starts at the point on the CD where it had stopped previously.
- When you insert a CD-R/CD-RW, it may take longer to start playing.
- A CD-R/CD-RW cannot be played if it contains no data or data in the wrong format, etc. In those cases, the indication "ERROR03" appears.

Intro play

Press INT during CD play.
The "SCAN" indication lights up, and the first 10 seconds of all the tracks on the CD are played in order.

When the desired track is found, press INT again. The unit returns to normal CD play.

Repeat play

Press REP1 during CD play.
The "REPEAT 1" indication lights up, and the currently selected track is played repeatedly.

Press REP1 again to cancel Repeat play.

Note

If Repeat play is not activated, all the tracks on the CD are played repeatedly.

Random play

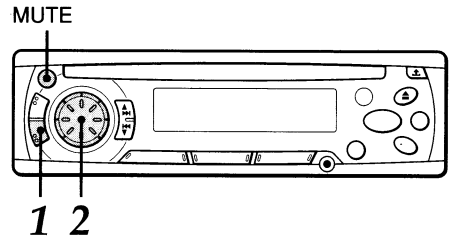
Press RANDOM during CD play.
The "RANDOM" indication lights up, and the tracks on the CD are played in random order.

Press RANDOM again to cancel Random play.

Note

During Random play, even if |◀◀ is pressed repeatedly, it won't take you back to previous tracks, only to the beginning of the current track.

SOUND ADJUSTMENTS



1 Press SEL repeatedly to select the mode that you wish to adjust from: BASS, TRE (treble), BAL (balance), FAD (fader) and VOL (volume).
Each time you press SEL, one of the following indicators appears, in cyclic order.

If you do not proceed with the following step 2 within 5 seconds, the selected mode is canceled, and the indication returns to the current source mode.

2 Rotate the Jog Dial to adjust the level.
Adjust each mode referring to the audio control indications in the display window.

	Counterclockwise	Clockwise
BASS	Decreases the bass level	Increases the bass level
TRE	Decreases the treble level	Increases the treble level
BAL	Decreases the level of the right speaker(s)	Decreases the level of the left speaker(s)
FAD	Decreases the level of the front speakers	Decreases the level of the rear speakers
VOL	Decreases the volume level	Increases the volume level

Without selecting any mode with SEL, only the volume level can be adjusted by rotating the Jog Dial.

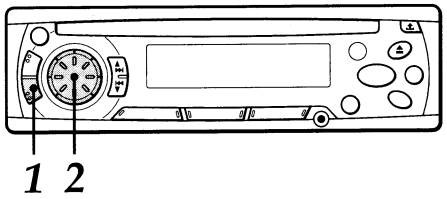
continued

SOUND ADJUSTMENTS

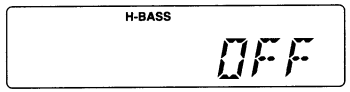
MUTE button
Press this button to temporarily lower the volume. Press it again to restore the previous volume. The "MT" indicator flashes while the mute function is active.

H-BASS (High BASS)

You can enjoy music with strong bass sound.



1 **Press SEL repeatedly to select H-BASS (High BASS) mode.**



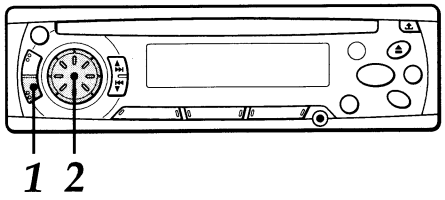
2 **Rotate the Jog Dial to select the bass sound level.**
The bass sound level changes as follows.

OFF
↕
H-BASS 1 Low
↕
H-BASS 2 Medium
↕
H-BASS 3 High

When H-BASS is activated, the "H-BASS" indicator lights up.

DSSA (Drivers Sound Stage Adjustment)

You can adjust sound stage and tone balance to best serve a particular seat in the car.



1 **Press SEL repeatedly to select DSSA (Drivers Sound Stage Adjustment) mode.**

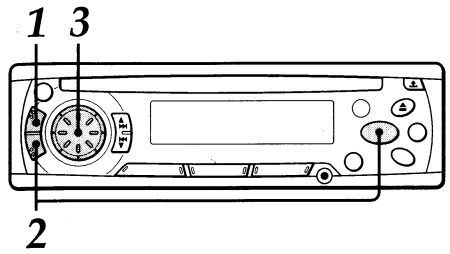
2 **Rotate the Jog Dial to select the position of sound stage.**
Sound stage changes as follows.

OFF
↕
DSSA L For the front left seat
↕
DSSA R For the front right seat

Note
When DSSA is activated, you cannot adjust BAL (balance), FAD (fader), BASS and TRE (treble) modes.

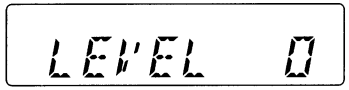
Source Level Adjuster

You can adjust the output level in each mode to equalize the volume level.



1 **Press FUNC repeatedly to select the desired mode.**

2 **Press DISP while pressing SEL.**
The "LEVEL 0" indication appears.

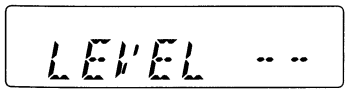


3 **Rotate the Jog Dial to adjust the level.**
Rotate clockwise to increase the level.
Rotate counterclockwise to decrease the level.
If you do not operate the Jog Dial within 5 seconds, this function is canceled, and the indication returns to the current source mode.

Returning to the factory settings

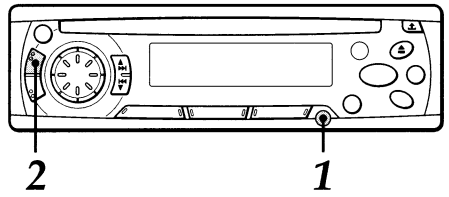
Adjusted settings of VOL, BASS, TRE, BAL, FAD, H-BASS, DSSA, and source level can be returned to the factory settings with a simple operation.

1 **With the unit off, press and hold DISP for more than 2 seconds.**
The "LEVEL --" indication appears, and all sound settings are returned to the factory settings.



CONNECTING A PORTABLE CASSETTE/ MD/MP3 PLAYER OR OTHER EQUIPMENT

This unit is equipped with a line-level input (AUX IN) jack, delivering high sound quality.



1 **Connect a portable cassette/MD/MP3 player, etc. via the AUX IN jack (3.5-mm dia.) of the unit.**

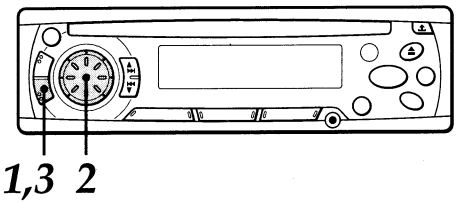
2 **Press FUNC repeatedly to select AUX IN mode.**
The "AUX IN" indication appears.

3 **Start playback on the connected equipment.**

- For further information on the portable cassette/ MD/MP3 player, etc., refer to the operating instructions for that equipment.

SETTING THE BEEP TONE

The unit is preset at the factory to beep each time you press any button on the front panel except ⏏ (no beep with the Jog Dial). You can mute this beeping by following the procedure below.



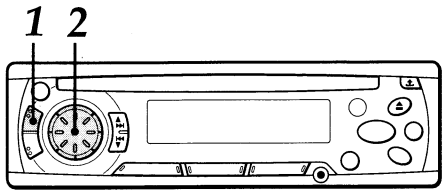
1 **With the unit off, press and hold SEL for more than 2 seconds.**

2 **Rotate the Jog Dial to select "BEEP ON" or "BEEP OFF".**

3 **Press SEL.**
The unit turns off.

SETTING THE CONTRAST CONTROL

You can change the contrast of the display.



1 **With the unit on, press and hold FUNC for more than 2 seconds.**
The current contrast indication appears.

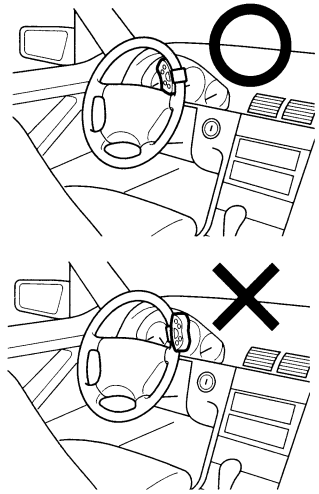
2 **Rotate the Jog Dial to select the contrast from among the following 3 levels.**

CONT.L
↕
CONT.M (factory setting)
↕
CONT.H

STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT

Precautions

- When the infrared receptor on the main unit is exposed to direct sunlight, it may not respond to signals from the remote control unit.
- While driving, keep your eyes on the road as you operate the remote control unit. NEVER operate the remote control unit while turning.
- Do NOT install the remote control unit where it may hinder the function of any safety device, such as an air bag.
- Be sure to install the remote control unit securely on the steering wheel. Unstable installation may interfere with operation of the vehicle.
- Do NOT install the remote control unit where it will obstruct your view of the instrument panel.
- Be sure to install the remote control unit on the side of the steering wheel closer to the main unit. If you install the remote control unit on the opposite side from the main unit, the infrared signal may not reach the main unit's receptor, disabling remote operation.
- There may be cases in which the infrared signal does not reach the infrared receptor on the main unit, depending on the installation location.
- Do NOT install the remote control unit on the outer rim of the steering wheel. Doing so may hinder steering and cause a traffic accident. Be sure to install the remote control unit on the inner rim of the steering wheel.



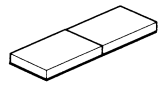
CAUTION
Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

Supplied mounting kit

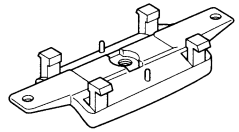
The letters below are keyed to those in the instructions.
Use only the supplied mounting hardware for safe and secure installation.

ⓐ Allen screw M3 × 4 (1 ea.)

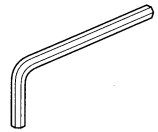
ⓒ Cushion (2 ea.)



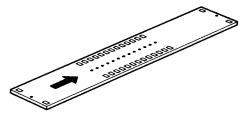
ⓔ Inner belt holder (1 ea.)



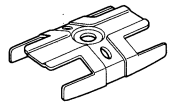
ⓑ Allen wrench (1 ea.)



ⓓ Belt (1 ea.)



ⓕ Outer belt holder (1 ea.)



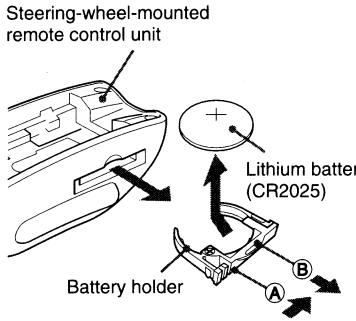
continued

STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT

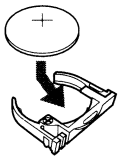
Setting up the remote control unit

Replacing the battery

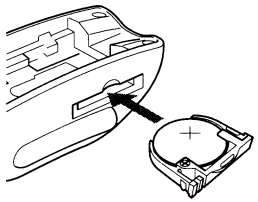
1 **Pull out the battery holder, gripping the claw Ⓑ while pressing the groove Ⓐ to the right to remove the lithium battery.**



2 **Install a new lithium battery with the + side facing upward in the battery holder.**



3 **Push the battery holder into the remote control unit until it clicks.**



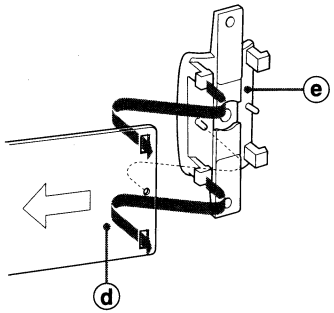
CAUTION

- Keep the lithium battery out of the reach of children. If swallowed, consult a physician immediately.
- To prevent a short circuit, never pinch the battery with pliers, etc.

Installing the remote control unit

Installation in a vehicle with left-hand drive

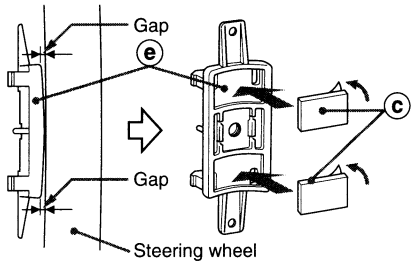
1 **Attach the belt ⓓ to the inner belt holder ⓔ.**



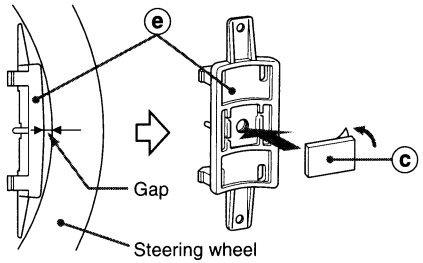
Note

If the inner belt holder ⓔ does not fit the steering wheel, attach the cushion ⓒ to the belt holder as illustrated.

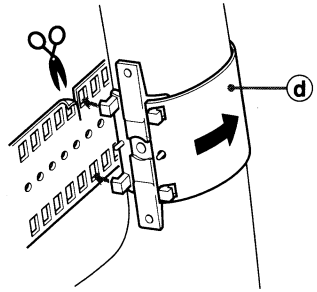
Large steering wheel



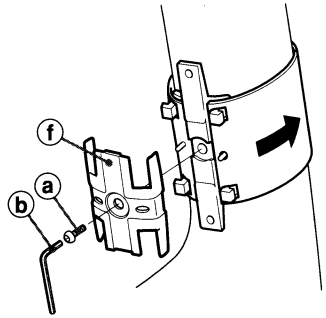
Small steering wheel



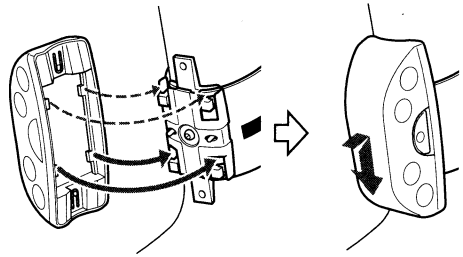
2 **Wind the belt ⓓ around the rim of the steering wheel and fit the holder's claws into the holes of the belt to secure the holder. The excess must be trimmed off, as illustrated.**

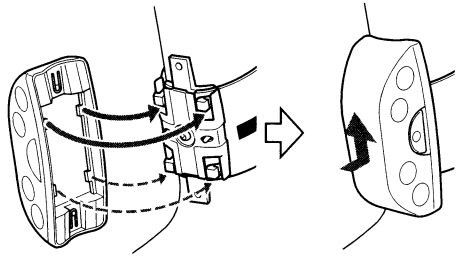


3 **Attach the outer belt holder ⓕ securely to the inner belt holder.**



4 **Attach the remote control unit to the belt holder. Align the claws of the inner belt holder with the grooves of the remote control unit, then slide the remote control unit while pressing the unit toward the holder to secure it. You can slide the unit toward either side, depending on the installation location.**





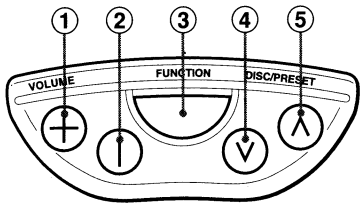
Note

When you install the remote control unit in a vehicle with left-hand drive, be sure to install it on the inner rim on the right-hand side of the steering wheel. On a vehicle with right-hand drive, install it on the left-hand side.

continued

STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT

Remote control button



① **VOLUME + button**
To increase the volume.

② **VOLUME − button**
To decrease the volume.

③ **FUNC button**
To select Radio, CD Play or AUX IN mode.

④ **DISC/PRESET ∨ button**
CD: Press and release to skip back to the beginning of the current track.
Press again to skip back to the previous track.
Press and hold to reverse rapidly.
Release to resume play.
Radio:
Each press of the button tunes in the next preset station, in descending order.

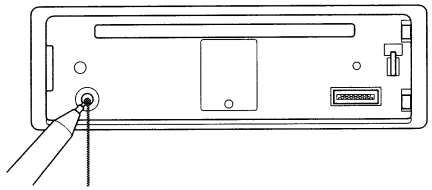
⑤ **DISC/PRESET ∧ button**
CD: Press and release to skip to the next track.
Press and hold to advance rapidly.
Release to resume play.
Radio:
Each press of the button tunes in the next preset station, in ascending order.

TROUBLESHOOTING

Error codes
In the following case the corresponding error code indication appears. Follow the suggestions below to solve the problem. If the error code indication does not disappear, consult an AIWA service center.

ERROR03 Focus error. Check that the discs are loaded properly in the disc magazine (right side up, etc.), and the CD contains proper data.

Reset button
The Reset button is visible when you detach the front panel. Try pressing this button if a CD does not operate properly. When you press this button, use the tip of a pointed object such as a pencil or toothpick.
Note that all your settings stored in memory, however, will be erased if you press this button.

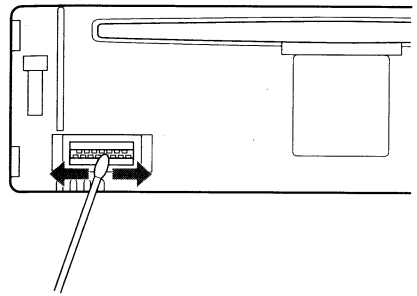


Reset button

MAINTENANCE

Cleaning the front panel
When the front panel is soiled, wipe the surface of the panel with a soft, dry cloth.

Cleaning the connector
The connector on the reverse side of the front panel needs to be cleaned occasionally. Wipe the surface of the connector with a cotton swab slightly moistened with alcohol.



SPECIFICATIONS

RADIO SECTION

(FM)

Frequency Range:	87.5 MHz – 108 MHz (50-kHz steps)
Usable Sensitivity:	12.7 dBf
50 dB Quieting Sensitivity:	17.2 dBf
IF Rejection:	80 dB
Frequency Response:	30 Hz – 15,000 Hz
S/N Ratio:	63 dB
Stereo Separation:	35 dB at 1 kHz
Alternate Channel Selectivity:	70 dB
Capture Ratio:	3 dB

(MW)

Frequency Range:	531 kHz–1,602 kHz (9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

(LW)

Frequency Range:	144 kHz – 288 kHz (1-kHz/9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

CD SECTION

Frequency Response:	17 Hz – 20 kHz +0/–3 dB
Dynamic Range:	More than 80 dB
Channel Separation:	More than 65 dB
S/N Ratio:	More than 85 dB
Wow/Flutter:	Unmeasurable

AUDIO SECTION

Max. Power Output:	45 W × 4 channels

AUX IN input

Input sensitivity (load impedance)	
AUX IN:	300 mV (10 kΩ)

GENERAL

Power-Supply Voltage:	14.4 V (11 to 16 V allowable), DC, negative ground
Load Impedance:	4 Ω
Tone Control:	Bass ±10 dB at 100 Hz Treble ±10 dB at 10 kHz
Preamp Output Voltage (load impedance):	2.2 V (10 kΩ)
Installation size:	182 (W) × 53 (H) × 155 (D) mm (7 1/4 (W) × 2 1/8 (H) × 6 1/8 (D) inches)
Accessory supplied:	Carrying case (1)

STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT

Dimensions :	approx. 67 (W) × 26 (H) × 27 (D) mm (2 3/4 (W) × 1 1/16 (H) × 1 1/8 (D) inches) (excluding holder)
Weight:	approx. 38 g (1.33 oz.) (including holder, battery)
Accessory supplied:	Mounting kit (1 set) Lithium battery (1)

Specifications and external appearance are subject to change without notice due to product improvement.